

II. AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1-13. (Canceled)

14. (Previously presented) A computer-implemented method for generating customized data mining models, comprising:

receiving and analyzing user data to provide statistical information about the user data, wherein the statistical information comprises data relationships, data outliers, invalid data values and standard deviations;

generating and ranking customized data mining models, and executing a selected customized data mining model of the customized data models on the user data, wherein the customized data mining models are generated using multiple iterations based on permutations of at least one of the user data, business parameters and a set of model generation algorithms,

wherein the generating and ranking comprises:

generating the customized data mining models in parallel using multiple iterations based on the permutations of at least one of the user data, the business parameters and the set of model generation algorithms, wherein the business parameters comprise a business taxonomy and a set of model goals,

ranking the customized data mining model based on the business parameters, identifying a predetermined quantity of the ranked customized data mining models, and

providing comparative data corresponding to the predetermined quantity of the ranked customized data mining models;

selecting at least one customized mining model from the predetermined quantity; executing the selected at least one customized data mining model on the user data; and selecting at least one existing data mining model from a library of existing data mining models, and executing the selected at least one existing data mining model in parallel on the user data, and outputting a result of the executing of the selected at least one customized data mining model to a user.

15. (Original) The computer-implemented method of claim 14, further comprising:

identifying a predetermined quantity of the ranked plurality of customized data mining models; and

providing comparative data corresponding to the predetermined quantity of the ranked plurality of customized data mining models, prior to the selecting step.

16. (Previously presented) The computer-implemented method of claim 14, wherein the step of generating comprises:

forming multiple permutations of at least one of the user data, the business parameters and the set of model generation algorithms; and

generating a plurality of customized data mining models using multiple iterations in a grid environment based on the multiple permutations.

17. (Canceled)

18. (Original) The computer-implemented method of claim 14, wherein the business parameters comprise a business taxonomy, a set of business problems and a set of model goals.

19-32. (Canceled)